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Nota di contenuto	Inspection Method of Building Surface Condition by Unmanned Aerial Vehicle under Challenged Communication Environment -- Automatic Generation of Handwritten Style Characters Including Untrained Characters -- Recognition of Drum Music Using Sound and Video -- An Improvement of Data Flow for Business Intelligence: Royal Project Foundation Case Study -- A Fuzzy-based System for Estimation of Inland Flooding Risk -- Using Copoi to Manage the Parking Problem Through Pricing Techniques -- Artifact Extraction Methods for In-vehicle Infotainment System -- Photovoltaic Power 24-hour Predictions Using Pde Component Models Based on the L-transform Conversion Produced in Node-by-node Evolved Binomial Networks -- A Forward Collision Warning Model for Self-driving Car Using YOLOv7 and GcnDepth -- Skin Disease Classification Based on Convolutional Neural Network -- Classification of New Energy Vehicle Patent Texts Based on Bert-BiLSTM -- Selecting a Reduced Set of Features for Supporting the Stance Detection Task -- Dynamic Pricing for Parking Facility -- User-oriented Solutions in Cybersecurity and Cloud-to-things Applications -- An Edge Computing Storage and Distributed Data-driven Bridging

Sommario/riassunto

With the fast development of the Internet, we are experiencing a shift from the traditional sharing of information and applications as the main purpose of the Web to an emergent paradigm, which locates people at the very center of networks and exploits the value of people's connections, relations, and collaboration. Social networks are also playing a major role in the dynamics and structure of intelligent Web-based networking and collaborative systems. Virtual campuses, virtual communities, and organizations strongly leverage intelligent networking and collaborative systems by a great variety of formal and informal electronic relations, such as business-to-business, peer-to-peer, and many types of online collaborative learning interactions, including the emerging e-learning systems. This has resulted in entangled systems that need to be managed efficiently and in an autonomous way. In addition, latest and powerful technologies based on grid and wireless infrastructure as well as cloud computing are currently enhancing collaborative and networking applications a great deal but also facing new issues and challenges. The principal purpose of the research and development community is to stimulate research that will lead to the creation of responsive environments for networking and, at longer term, the development of adaptive, secure, mobile, and intuitive intelligent systems for collaborative work and learning. The aim of the book is to provide latest research findings, innovative research results, methods and development techniques from both theoretical and practical perspectives related to intelligent social networks and collaborative systems, intelligent networking systems, mobile collaborative systems, secure intelligent cloud systems, etc., as well as to reveal synergies among various paradigms in such a multi-disciplinary field intelligent collaborative systems.

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